

BLOCKSHUTTER E 90

Fire resistance rolling shutter **BLOCKSHUTTER E 90** is a compartmentalization system tested to ensure the integrity of the system at 1000 °C for 90 minutes.

Fire proof rolling shutter **BLOCKSHUTTER E90** is composed by horizontal galvanized **steel slats** Z200, 71mm height and 1,0 mm thick; the elements are securely hooked together and blocked with steel lateral stops to prevent slipping between the slats and guarantee the uniform elements descent.

A robust L profile 3,00 mm thick with a thermos-expanding gasket applied, complete the bottom element. In order to increase the wind load and internal vortex that may occur, the lateral elements are fixed with resistance hook (optional).

The **lateral side guides** are made of galvanized steel, with a dimensions of 50 x 30 mm, and must be installed 80mm from the clear width edge (valid within a rolling shutter's width of 6.00 mt), together with a 3,00 mm strong bead for wall fixation.

The **support system** is composed of two brackets to which is inserted a support shaft Ø133 mm where the mantle is rolled up. A **roll cover box** It is supplied as standard in pressed sheet metal, that serves as both embellishment and flame protection.

BLOCKSHUTTER E 90 is normally supplied with three phase wheel chain **motor** 400V- IP54 with Gravity Fail safe system with electric brake that controls the speed descent of the shutter even in case of power failure. It is also equipped with a thermal **fusible link** that activates at the temperature of 72°C.

A 24V DC 500 mA contact is required for the alarm command.

It is mandatory for the Gravity fail safe system to install an audio-visual warning device in accordance with mandatory standard EN 12604.

The **control panel** (optional) is arranged for connection to the fire alarm and smoke or temperature detection system. A back up battery is integrated in the control panel and in case of power failure, assure continuity of the power supply to the magnetic brake to avoid an unexpected descent of the shutter.

A built-in keyboard with up/down/stop inputs is provided.

It is possible to supply a motor with emergency activation command with NC / NO contact; in this case the control panel and the backup battery are no longer optional but necessary.

The above information is subject to changes / corrections / additions by the manufacturer, based on the regulations in force, without prior notice.

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A 400 V three-phase drive with manual chain operation can be supplied as an alternative, with this motor type is mandatory to have a UPS (at Customer's charge) for the opening manoeuvre when the alarm activation occurs.

In this case, the **control panel** (without back up battery) is arranged for connection to the fire alarm, smoke or temperature detection system.

A built-in keyboard with up/down/stop inputs is provided.

Front wall fixation with suitable iron anchors, on wall with minimum 1450 Kg/m³ density and 140 mm thickness.

On request: made in stainless steel AISI 304 or 316, painting in RAL colour, wind load class 2 certification according to EN 13241-1 and automatic operation.

BLOCKSHUTTER E 90 is CE MARKED

in accordance to standards **EN 16034:2014, EN 13241:2016**

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